

542,184

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
5 August 2004 (05.08.2004)

PCT

(10) International Publication Number
WO 2004/065560 A2

- (51) International Patent Classification⁷: C12N
- (21) International Application Number:
PCT/US2004/001609
- (22) International Filing Date: 20 January 2004 (20.01.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/441,070 18 January 2003 (18.01.2003) US
- (71) Applicant (for all designated States except US): **RINAT NEUROSCIENCE CORP.** [US/US]; 3155 Porter Drive, Palo Alto, CA 94304 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **DAVIES, Alun** [GB/GB]; Netherburn, 2 Lade Braes, St. Andrews, Scotland Fife KY16 9ET (GB). **GRIMM, Jan** [DE/US]; 643 18th Avenue, Menlo Park, CA 94025 (US). **WYATT, Sean** [GB/US]; 541 Del Meido Avenue, Mountain View, CA 94040 (US).
- (74) Agents: **POLIZZI, Catherine, M.** et al.; Morrison & Forster LLP, 755 Page Mill Road, Palo Alto, CA 94304 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS OF SCREENING FOR MODULATORS OF NERVE GROWTH FACTOR

(57) Abstract: The invention relates, in general, to a method of screening for agents that modulate NGF activity. More specifically this invention provides a method of assessing the ability of a candidate agent to modulate NGF activity comprising, measuring the level of expression of one or more or two or more NGF responsive genes in a culture of neurons expressing the high-affinity trk A receptor after contact with a candidate agent. The invention further provides methods of culturing primary cultures of neurons expressing the high-affinity trk A receptor and methods of isolating polynucleotides from such cultures.

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